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The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

355 Lexington Avenue
New York, New York 10017
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FOR THE MONTH AND PERIOD ENDED NOVEMBER, 1983

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y.

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SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & WHINNEY

The figures published in this report are reflective of the relevant segment of the industry. In accordance with SPI policy and regulations of the Committee on Resin Statistics, figures will not be published which tend to identify, directly or indirectly, a participant's individual data. Any figures withheld to avoid disclosure are identified by the letter "D" at the applicable line or space of the report. A line will be identified by a "D" if one company has more than 65% of that line, or if there are less than four companies reporting on that line.

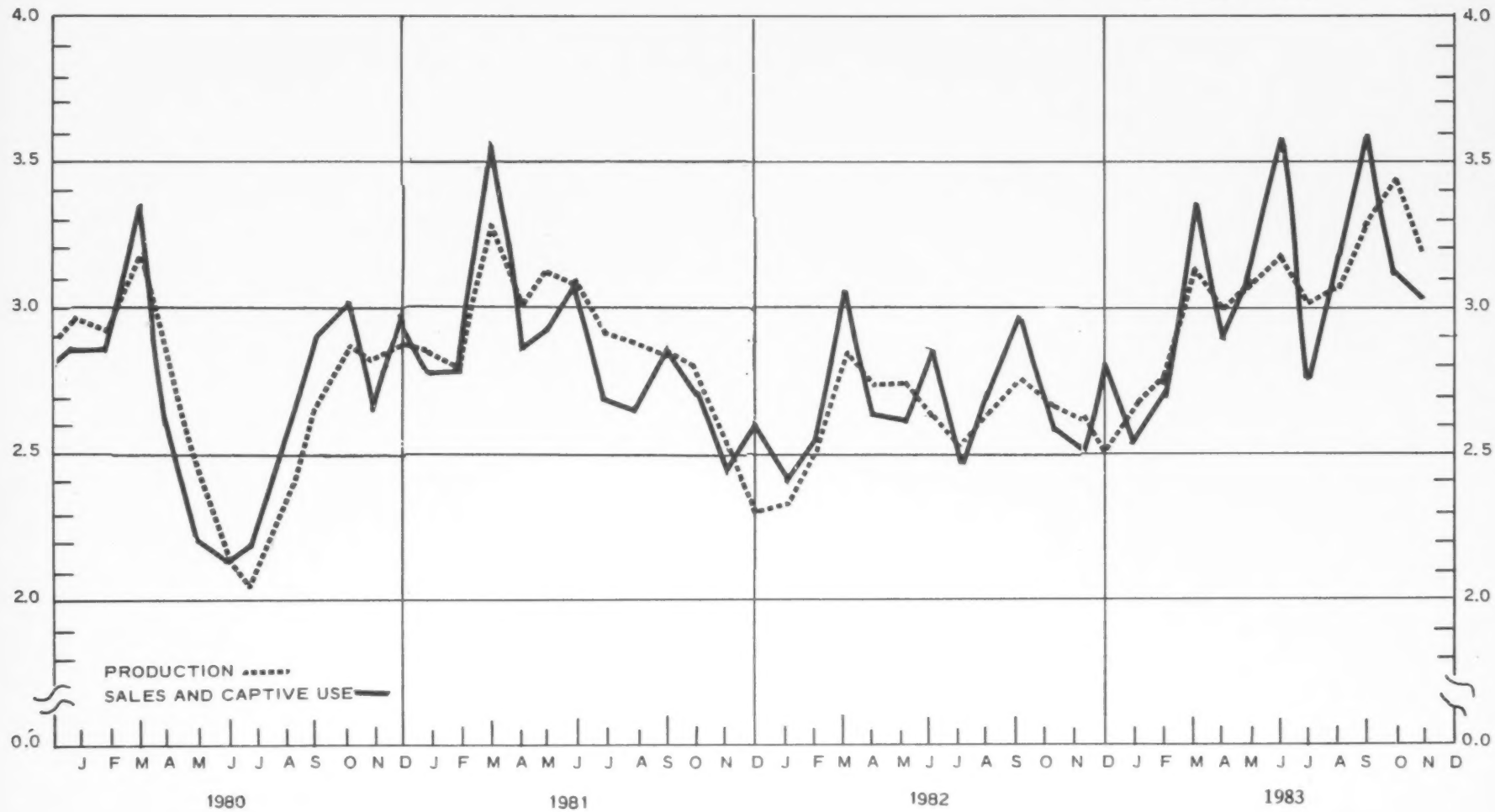
MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(In billion of pounds)

November, 1983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PRODUCTION
SALES AND CAPTIVE USE
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1980
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COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS).

SPI

SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis) (1)

CRS

NOVEMBER 1983

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE
EPOXY RESINS, TOTAL	29,852	20,284	+47.2	304,795R	279,111	+9.2	33,307	21,142	+57.5	311,051	267,538	+16.3
POLYESTER *(UNSATURATED)* RESINS, TOTAL	91,612	64,421	+42.2	989,443R	792,888	+24.8	91,303	64,816	+40.9	1,001,770R	804,678	+24.5
UREA RESINS, TOTAL	91,260	78,848	+15.7	1,072,504	892,621	+20.2	92,134	80,114	+15.0	1,077,720	912,833	+18.1
MELAMINE RESINS, TOTAL	15,579	12,230	+27.4	168,467	142,968	+17.8	15,316	11,799	+29.8	168,222	145,700	+15.5
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	199,112	176,519	+12.8	2,303,737R	1,889,820	+21.9	197,901	175,651	+12.7	2,267,357R	1,843,877	+23.0
THERMOSETTING RESINS, TOTAL	427,415	352,302	+21.3	4,838,946R	3,997,408	+21.1	429,961	353,522	+21.6	4,826,120R	3,974,626	+21.4
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	635,347	607,064	+4.7	7,240,852	6,940,218	+4.3	706,409	638,867	+10.6	7,411,029	6,852,432	+8.2
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	453,032	403,639	+12.2	5,212,950	4,482,455	+16.3	496,293	409,702	+21.1	5,262,836	4,502,700	+16.9
POLYPROPYLENE, TOTAL	381,685	273,547	+39.5	4,059,150	3,292,762	+23.3	401,372	314,752	+27.5	4,068,799	3,186,920	+27.7
ACRYLONITRILE-BUTADIENE-STYRENE *(ABS)* RESINS, TOTAL	D	D		D	D		D	D		D	D	
STYRENE-ACRYLONITRILE *(SAN)* RESINS, TOTAL	7,970	6,275	+27.0	83,805	76,286	+9.9	7,374	6,083	+21.2	89,177	85,292	+4.6
OTHER STYRENE BASED POLYMERS, TOTAL *40% or more styrene* (3)	108,549	68,373	+58.8	1,135,072	805,892	+40.8	90,308	63,474	+42.3	1,078,369	810,657	+33.0
POLYSTYRENE, TOTAL	319,843	247,441	+29.3	3,322,118R	2,941,975	+12.9	336,874	251,004	+34.2	3,270,354R	2,964,840	+10.3
STYRENE BUTADIENE LATEXES, TOTAL *Carboxylated, 45% styrene content and over.*	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL *50% or more styrene including styrene butadiene latexes not carboxylated* (4)	61,290	41,647	n.c.	647,068	459,871	n.c.	64,742	41,585	n.c.	650,353	466,340	n.c.
NYLON RESINS, TOTAL	31,990	18,935	+68.9	300,604	231,689	+29.7	32,950	13,816	+138.5	292,385	212,693	+37.5
POLYVINYL CHLORIDE & COPOLYMERS - *(DRY RESIN CONTENT)*, TOTAL	446,081	423,964	+5.2	5,651,564	5,040,570	+12.1	476,464	427,641	+11.4	5,668,885	4,931,935	+14.9
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	57,219	43,427	+31.8	636,088R	525,157	+21.1	57,219	43,427	+31.8	636,088	525,157	+21.1
POLYVINYL ALCOHOL, TOTAL #	11,377	D		124,069	D		9,840	D		118,535	D	
OTHER VINYL RESINS, TOTAL	15,654	12,906	+21.3	161,773	155,596	+4.0	17,708	12,982	+36.4	169,694	165,716	+2.4
THERMOPLASTIC POLYESTER, TOTAL	71,209	49,709	+43.3	715,321	567,380	+26.1	69,796	49,537	+40.9	702,962	589,166	+19.3
THERMOPLASTIC RESINS, TOTAL	2,601,246	2,196,927	+18.4	29,290,439R	25,519,851	+14.8	2,767,349	2,272,870	+21.8	29,419,487	25,293,848	+16.3
GRAND TOTAL	3,028,661	2,549,229	+18.8	34,129,385R	29,517,259	+15.6	3,197,310	2,626,392	+21.7	34,245,607*	29,268,474	+17.0

D = Disclosure
R = Revision

(1) *Except phenolic resins which are reported on a gross weight basis.*

COMPILED BY ERNST & WHINNEY, NEW YORK, N.Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

(3) = Includes ABS
(4) = Includes Styrene-Butadiene Latexes
= Includes imputed data

n.c.-not comparable due to participation changes in 1983.

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* = *These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual Production of PVAc is significantly higher than that shown here.*

SPI

SECTION I
MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In metric tons, dry weight basis) (1)

CRS

NOVEMBER 1983

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE
EPOXY RESINS, TOTAL	13,541	9,201	+47.2	138,254R	126,604	+9.2	15,108	9,590	+57.5	141,092	121,354	+16.3
POLYESTER *(UNSATURATED)* RESINS, TOTAL	41,555	29,221	+42.2	448,808R	359,652	+24.8	41,415	29,400	+40.9	454,400R	365,000	+24.5
UREA RESINS, TOTAL	41,395	35,765	+15.7	486,485	404,890	+20.2	41,792	36,339	+15.0	488,851	414,058	+18.1
MELAMINE RESINS, TOTAL	7,067	5,547	+27.4	76,416	64,850	+17.8	6,947	5,352	+29.8	76,305	66,089	+15.5
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	90,317	80,068	+12.8	1,044,968R	857,217	+21.9	89,767	79,675	+12.7	1,028,466R	836,377	+23.0
THERMOSETTING RESINS, TOTAL	193,875	159,802	+21.3	2,194,931R	1,813,213	+21.1	195,029	160,356	+21.6	2,189,114R	1,802,878	+21.4
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	288,191	275,362	+4.7	3,284,429	3,148,062	+4.3	320,425	289,788	+10.6	3,361,621	3,108,243	+8.2
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	205,494	183,089	+12.2	2,364,579	2,033,228	+16.3	225,117	185,840	+21.1	2,387,207	2,042,411	+16.9
POLYPROPYLENE, TOTAL	173,131	124,080	+39.5	1,841,218	1,493,587	+23.3	182,061	142,771	+27.5	1,845,595	1,445,577	+27.7
ACRYLONITRILE-BUTADIENE-STYRENE *(ABS)* RESINS, TOTAL	D	D		D	D		D	D		D	D	
STYRENE-ACRYLONITRILE *(SAN)* RESINS, TOTAL	3,615	2,846	+27.0	38,014	34,603	+9.9	3,345	2,759	+21.2	40,450	38,688	+4.6
OTHER STYRENE BASED POLYMERS, TOTAL *40% or more styrene* (3)	49,237	31,014	+58.8	514,865	365,550	+40.8	40,963	28,792	+42.3	489,145	367,712	+33.0
POLYSTYRENE, TOTAL	145,080	112,238	+29.3	1,506,903R	1,334,471	+12.9	152,805	113,855	+34.2	1,483,423R	1,344,843	+10.3
STYRENE BUTADIENE LATEXES, TOTAL *Carboxylated, 45% styrene content and over.*	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL *50% or more styrene including styrene butadiene latexes not carboxylated* (4)	27,801	18,891	n.c.	293,508	208,596	n.c.	29,367	18,863	n.c.	294,998	211,530	n.c.
NYLON RESINS, TOTAL	14,511	8,589	+68.9	136,353	105,093	+29.7	14,946	6,267	+138.5	132,625	96,477	+37.5
POLYVINYL CHLORIDE & COPOLYMERS - *(DRY RESIN CONTENT)*, TOTAL	202,341	192,309	+5.2	2,563,533	2,286,388	+12.1	216,123	193,977	+11.4	2,571,389	2,237,111	+14.9
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	25,954	19,698	+31.8	288,528R	238,210	+21.1	25,954	19,698	+31.8	288,491	238,210	+21.1
POLYVINYL ALCOHOL, TOTAL #	5,161	D		56,277	D		4,463	D		53,767	D	
OTHER VINYL RESINS, TOTAL	7,101	5,854	+21.3	73,382	70,578	+4.0	8,032	5,889	+36.4	76,973	75,168	+2.4
THERMOPLASTIC POLYESTER, TOTAL	32,300	22,548	+43.3	324,467	257,362	+26.1	31,659	22,470	+40.9	318,871	267,244	+19.3
THERMOPLASTIC RESINS, TOTAL	1,179,917	996,518	+18.4	13,286,056R	11,575,728	+14.8	1,255,260	1,030,969	+21.8	13,344,555R	11,473,214	+16.3
GRAND TOTAL	1,373,792	1,156,320	+18.8	15,480,987R	13,388,941	+15.6	1,450,289	1,191,325	+21.7	15,533,669R	13,276,092	+17.0

For the purpose of this table, one metric ton equals 2,204.6 pounds. On a monthly basis, the calculation of metric tons from thousands of pounds may not agree precisely due to rounding.

(3) = Includes ABS
(4) = Includes Styrene Butadiene Latexes

(1) *Except phenolic resins which are reported on a gross weight basis.*

D = Disclosure
R = Revision
# = Includes imputed data

n.c.-not comparable due to changes in participation in 1983.

* = *These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual Production of PVAc is significantly higher than that shown here.*

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

THERMOSETTING RESINS

NOVEMBER 1983

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE
EPOXY RESINS, TOTAL	29,852	20,284	+47.2	304,795R	279,111	+9.2	33,307	21,142	+57.5	311,051	267,538	+16.3
Total Exports	3,993	2,579	+54.8	31,671R	35,003	-9.5						
Total Domestic	25,859	17,705	+46.1	273,124R	244,108	+11.9						
Bonding & Adhesives	1,038	914	+13.6	14,407R	14,166	+1.7						
Flooring, Paving & Exposed Aggregate	1,547	1,198	+29.1	17,253R	16,735	+3.1						
Protective Coatings	11,431	8,474	+34.9	121,026R	114,057	+6.1						
Fiber Reinforced Laminates & Composites, Total	7,121	3,700	+92.5	67,351R	53,449	+26.0						
FRL & C for Printed Wiring Board	4,960	*		48,524R	*							
All Other FRL & C	2,161	*		18,827R	*							
Tooling, Casting & Molding Resins	2,590	1,458	+77.6	25,728R	22,425	+14.7						
All Other Uses	2,132	1,961	+8.7	27,359R	23,276	+17.5						
POLYESTER *(UNSATURATED)* RESINS, TOTAL	91,612	64,421	+42.2	989,443R	792,888	+24.8	91,303	64,816	+40.9	1,001,770R	804,678	+24.5
Exports, Total	785	493	+59.2	9,442	7,540	+25.2						
Domestic, Total	90,827	63,928	+42.1	980,001R	785,348	+24.8						
General Purpose Resins, Total	80,614	56,079	+43.8	874,936R	689,937	+26.8						
General Purpose – Thixotropic	36,022	23,429	+53.7	408,545R	306,396	+33.3						
General Purpose – Press Molding	13,810	6,103	+126.3	130,761R	85,462	+53.0						
General Purpose – All Other	30,782	26,547	+16.0	335,630R	298,079	+12.6						
Flame Retardant Resins	1,991	1,916	+3.9	18,371R	19,515	-5.9						
Chemical Resistant Resins	8,222	5,933	+38.6	86,694R	75,896	+14.2						
Chemical Resistant Isophthalic Resins	5,160	3,792	+36.1	57,519R	52,148	+10.3						
All Other Chemical Resistant Resins	3,062	2,141	+43.0	29,175R	23,748	+22.9						
Reinforced Plastics, Total	70,025	47,583	+47.2	756,769R	584,890	+29.4						
Non-Reinforced Plastics, Total	20,802	16,345	+27.3	223,232R	200,458	+11.4						

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* = Comparable 1982 data not available R = Revision

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis) (1)

THERMOSETTING RESINS

NOVEMBER 1983

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE
UREA RESINS, TOTAL	91,260	78,848	+15.7	1,072,504	892,621	+20.2	92,134	80,114	+15.0	1,077,720	912,833	+18.1
MELAMINE RESINS, TOTAL	15,579	12,230	+27.4	168,467	142,968	+17.8	15,316	11,799	+29.8	168,222	145,700	+15.5
UREA & MELAMINE RESINS, TOTAL	106,839	91,078	+17.3	1,240,971	1,035,589	+19.8	107,450	91,913	+16.9	1,245,942	1,058,533	+17.7
Total Exports	1,555	1,529	+1.7	19,286	15,567	+23.9						
Total Domestic	105,284	89,549	+17.6	1,221,685	1,020,022	+19.8						
Textile Treating & Coating Resins	D	D		D	D		D	D		D	D	
Paper Treating & Coating Resins	6,831	4,833	+41.3	67,875	62,114	+9.3	6,880	5,282	+30.3	78,230	61,901	+26.4
Molding Compounds	5,404	4,387	+23.2	62,222	42,169	+47.6	6.307	5,588	+12.9	66,572	45,442	+46.5
Bonding & Adhesive Resins for:	80,230	67,051	+19.7	938,127R	780,709	+20.2	81,270	67,824	+19.8	945,806R	792,434	+19.4
Laminating	3,302	2,171	+52.1	37,673R	25,580	+47.3	3,411	2,202	+54.9	37,648R	26,171	+43.9
Plywood	5,144	4,375	+17.6	58,210	59,426	-2.0	5,309	4,819	+10.2	58,774	60,785	-3.3
Fibrous & Granulated Wood (Particle Board)	71,784	60,505	+18.6	842,244	695,703	+21.1	72,550	60,803	+19.3	849,384	705,478	+20.4
Protective Coatings *(Straight & Modified)*	6,387	5,311	+20.3	70,415	60,089	+17.2	7,718	5,830	+32.4	81,605	71,358	+14.4
All Other Uses *(Includes Textile Treating & Coating Resins)*	6,432	7,967	-19.3	83,046R	74,941	+10.8	5,275	7,389	-28.6	73,729R	87,398	-15.6
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	199,112	176,519	+12.8	2,303,737R	1,889,820	+21.9	197,901	175,651	+12.7	2,267,357R	1,843,877	+23.0
Total Exports	1,004	986	+1.8	14,685R	14,237	+3.1						
Total Domestic	198,108	175,533	+12.9	2,289,052R	1,875,583	+22.0						
Molding Compounds	21,362	16,505	+29.4	212,489R	174,347	+21.5	22,279	18,485	+20.5	238,036R	186,236	+27.8
Bonding & Adhesive Resins for:	172,986	155,806	+11.0	2,032,245R	1,664,010	+22.1	171,882	153,940	+11.7	1,985,200R	1,618,861	+22.6
Laminating	13,170	10,829	+21.6	152,426R	118,068	+29.1	12,804	8,949	+43.1	132,567R	102,408	+29.4
Coated & Bonded Abrasives	1,841	1,773	+3.8	24,678R	23,778	+3.8	1,649	1,501	+9.9	23,687R	22,842	+3.7
Friction Materials	2,854	1,647	+73.3	29,464R	24,224	+21.6	3,045	1,742	+74.8	29,179R	24,026	+21.4
Insulation Materials	32,325	36,615	-11.7	324,867R	321,508	+1.0	32,010	35,738	-10.4	310,851R	305,542	+1.7
Foundry & Shell Molding	5,415	3,995	+35.5	57,031	51,652	+10.4	5,958	4,192	+42.1	59,367	52,983	+12.0
Plywood	97,390	83,585	+16.5	1,198,420	923,273	+29.8	96,442	84,548	+14.1	1,182,509	909,469	+30.0
Fibrous & Granulated Wood	13,226	11,583	+14.2	167,614	132,698	+26.3	12,948	10,969	+18.0	164,033	127,060	+29.1
Resins Sold to Rubber Industry	1,811	1,857	-2.5	23,818	20,828	+14.4	2,211	2,245	-1.5	26,820	22,402	+19.7
All Other	4,954	3,922	+26.3	53,927R	47,981	+12.4	4,815	4,056	+18.7	56,187R	52,129	+7.8
Protective Coatings – Unmodified & Modified	1,378	1,460	-5.6	16,791R	16,755	+0.2	1,205	1,563	-22.9	16,708R	17,962	-7.0
# Resins Sold to Rubber Industry, Non-Adhesive Uses	D	D		D	D		D	D		D	D	
All Other Uses #	2,382	1,762	+35.2	27,527	19,971	+37.8	2,535	1,663	+52.4	27,413R	20,818	+31.7

(1) *Except phenolic resins which are reported on a gross weight basis.*

D = Disclosure
R = Revision

 # = Due to Disclosure Problem, All Other Uses includes Resins Sold to Rubber Industry, Non-Adhesive Uses.

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

THERMOPLASTIC RESINS

NOVEMBER 1983

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	635,347	607,064	+4.7	7,240,852	6,940,218	+4.3	706,409	638,867	+10.6	7,411,029	6,852,432	+8.2
Exports, Total	68,817	65,990	+4.3	819,005	1,063,216	-23.0						
Domestic, Total	566,530	541,074	+4.7	6,421,847	5,877,002	+9.3						
Film *(12 Mils & Below)*	364,907	357,734	+2.0	4,202,925	3,773,104	+11.4						
Sheet *(Over 12 Mils)*	D(3)	D(3)		D(3)	D(3)							
Injection Molding	41,567	44,811	-7.2	558,435	455,294	+22.7						
Wire & Cable	28,940	21,171	+36.7	265,238	258,024	+2.8						
Extrusion Coating	48,727	45,903	+6.2	520,338	488,557	+6.5						
Blow Molding	3,716	3,226	+15.2	39,466	38,571	+2.3						
Pipe & Conduit, Total	D(1)	D(1)		D(1)	D(1)							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe & Conduit	D	D		D	D							
Other Extruded Products	7,156	3,315	+115.9	80,307	40,418	+98.7						
All Other Uses	71,517	64,914	+10.2	755,138	823,034	-3.2						
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	453,032	403,639	+12.2	5,212,950	4,482,455	+16.3	496,293	409,702	+21.1	5,262,836	4,502,700	+16.9
Exports, Total	71,182	66,581	+6.9	935,794	582,652	+60.6						
Domestic, Total	381,850	337,058	+13.3	4,277,156	3,899,803	+9.7						
Film *(12 Mils & Below)*	27,271	24,433	+11.6	315,041	251,783	+25.1						
Sheet *(Over 12 Mils)*	6,783	5,291	+28.2	67,940	58,269	+16.6						
Injection Molding	96,752	87,948	+10.0	1,069,874	986,779	+8.4						
Wire & Cable	9,391	9,704	-3.2	121,262	103,513	+17.1						
Extrusion Coating	D(2)	D(2)		D(2)	D(2)							
Blow Molding	149,566	135,560	+10.3	1,651,025	1,560,957	+5.8						
Pipe & Conduit, Total	35,565	22,729	+56.5	436,792	345,691	+26.4						
Corrugated Pipe & Conduit	14,851	*		196,169	*							
Non-Corrugated Pipe & Conduit	20,714	*		240,623	*							
Other Extruded Products	4,168	3,571	+16.7	37,706	36,797	+2.5						
All Other Uses	52,354	47,822	+9.5	577,516	556,014	+3.9						

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D = Disclosure

(1) = Included in All Other Uses
(2) = Included in Other Extruded Products
(3) = Included in Film

* = Comparable 1982 data not available

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

THERMOPLASTIC RESINS NOVEMBER 1983

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE
POLYPROPYLENE, TOTAL	381,685	273,547	+39.5	4,059,150	3,292,762	+23.3	401,372	314,752	+27.5	4,068,799	3,186,920	+27.7
Exports, Total	65,255	54,042	+20.7	730,981	617,077	+18.5						
Domestic, Total	316,430	219,505	+44.2	3,328,169	2,675,685	+24.4						
Injection Molding	108,985	85,258	+27.8	1,121,254	1,001,203	+12.0						
Appliances	9,051	5,666	+59.7	88,263	67,541	+30.7						
Consumer Products	23,690	21,413	+10.6	274,564	256,090	+7.2						
Rigid Packaging	29,779	25,203	+18.2	324,267	268,388	+20.8						
Transportation	29,159	17,609	+65.6	263,536	210,387	+25.3						
All Other Injection Molding	17,306	15,367	+12.6	170,624	198,797	-14.2						
Blow Molding	8,611	6,059	+42.1	81,723	62,558	+30.6						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film *(10 Mils & Below)*	26,171	22,721	+15.2	334,112	271,857	+22.9						
Sheet *(Over 10 Mils)*	2,517	1,932	+30.3	28,471	17,661	+61.2						
Extrusion Coating	D	D		D	D							
Wire & Cable	D	D		D	D							
Fiber & Filaments	107,303	68,028	+57.7	1,103,105	808,846	+36.4						
Pipe & Conduit	D	D		D	D							
Other Extruded Products #	7,870	5,769	+36.4	93,518	87,178	+7.3						
Resellers & Compounders	33,719	*		393,760	*							
All Other Uses	21,254	29,738	n.c.	172,225	426,382	n.c.						

COMPILED BY ERNST & WHINNEY, NEW YORK, N.Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

= *Includes Ext. Coating, Wire & Cable, Pipe & Conduit*

D = Disclosure
* = Comparable 1982 data not available
n.c. = Not comparable

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

THERMOPLASTIC RESINS

NOVEMBER 1983

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE
ACRYLONITRILE-BUTADIENE-STYRENE *(ABS)* RESINS, TOTAL	D	D		D	D		D	D		D	D	
Total Exports												
Total Domestic												
Electrical & Electronic Uses												
Pipe, Conduit & Fittings												
Transportation												
Consumer & Institutional												
All Other Uses												
STYRENE-ACRYLONITRILE *(SAN)* RESINS, TOTAL	7,970	6,275	+27.0	83,805	76,286	+9.9	7,374	6,083	+21.2	89,177	85,292	+4.6
Total Exports	1,779	464	+283.4	10,546	8,861	+19.0						
Total Domestic	6,191	5,811	+6.5	73,259	67,425	+8.7						
OTHER STYRENE BASES POLYMERS, TOTAL *40% or more styrene* (3)	108,549	68,373	+58.8	1,135,072	805,892	+40.8	90,308	63,474	+42.3	1,078,369	810,657	+33.0
Export, Total	14,474	4,772	+203.3	122,048	65,320	+86.8						
Domestic, Total	94,075	63,601	+47.9	1,013,024	740,572	+36.8						
Molding & Extrusion	89,235	*		957,346	*							
Coatings	4,840	*		55,678	*							
POLYSTYRENE RESINS, TOTAL	319,843	247,441	+29.3	3,322,118R	2,941,975	+12.9	336,874	251,004	+34.2	3,270,354R	2,964,840	+10.3
Straight Polystyrene	160,515	133,209	+20.5	1,715,748R	1,526,404	+12.4	163,082	132,497	+23.1	1,668,736R	1,541,463	+8.3
Rubber-Modified Polystyrene	159,328	114,232	+39.5	1,606,370	1,415,571	+13.5	173,792	118,507	+46.7	1,601,618	1,423,377	+12.5
Exports, Total	6,765	5,856	+15.5	72,932	88,688	-17.8						
Straight Polystyrene	4,192	2,992	+40.1	36,783	45,300	-18.8						
Rubber-Modified Polystyrene	2,573	2,864	-10.2	36,149	43,388	-16.7						
Domestic, Total	313,078	241,585	+29.6	3,249,186R	2,853,287	+13.9						
Molding	133,285	103,691	+28.5	1,396,926	1,256,911	+11.1						
Extrusion	115,079	82,782	+39.0	1,133,225	976,939	+16.0						
Expandable Polystyrene Beads	39,843	34,017	+17.1	409,160R	393,290	+4.0						
All Other Uses	24,871	21,095	+17.9	309,875R	226,147	+37.0						
Polystyrene End uses, Total **	313,078	241,585	+29.6	3,249,186R	2,853,287	+13.9						
Packaging	79,886	84,316	-5.3	820,312R	959,628	-14.5						
Disposables	47,947	*		448,755R	*							
Consumer and Institutional Products	45,492	44,643	+1.9	501,845R	582,136	-13.8						
Electrical/Electronics	25,304	20,540	+25.6	263,930R	258,098	+2.3						
Furniture, Furnishings, Building and Construction	15,162	14,807	+2.4	150,203R	165,326	-9.1						
Expandable Polystyrene Beads	39,843	34,017	+17.1	409,160	393,290	+4.0						
All Other End Uses	58,944	43,262	+36.2	654,981R	494,809	+32.4						

D = Disclosure
R = Revision
(3) = Includes ABS

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* = Comparable 1982 data not available

** = Portions of the End Use Section are Estimated.

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

THERMOPLASTIC RESINS

NOVEMBER 1983

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1962	% CHANGE	1983	1982	% CHANGE
STYRENE BUTADIENE LATEXES, TOTAL *carboxylated, 45% styrene content and over.*	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED, LATEXES, TOTAL *50% or more styrene including butadiene latexes not carboxylated.*	D	D		D	D		D	D		D	D	
STYRENE BUTADIENE & OTHER STYRENE BASED LATEXES, TOTAL ***	61,290	41,647	n.c.	647,068	459,871	n.c.	64,742	41,585	n.c.	650,353	466,340	n.c.
Paper Treating	1,898	1,678	n.c.	25,741	22,864	n.c.						
Textile Treating	1,412	858	n.c.	18,069	11,909	n.c.						
Carpet Backing	25,703	17,210	n.c.	276,824	184,148	n.c.						
All Other Uses (Including Exports & Paper Coating)	32,277	21,901	n.c.	326,434	240,950	n.c.						
NYLON RESINS, TOTAL	31,990	18,935	+68.9	300,604	231,689	+29.7	32,950	13,816	+138.5	292,385	212,693	+37.5
Total Exports	2,346	1,420	+65.2	22,510	16,411	+37.2						
Total Domestic	29,644	17,515	+69.2	278,094	215,278	+29.2						
Injection Molding Grade	19,970	10,102	+97.7	179,270	129,828	+38.1						
Extrusion Grade	8,017	5,897	+36.0	79,078	66,519	+18.9						
Resellers and Compounders	1,112	1,213	-8.3	14,065	14,409	-2.4						
All Other Uses	545	303	+79.9	5,681	4,522	+25.6						

*** - *Old disclosure rules apply for Styrene Butadiene Section. One company cannot be greater than 50% and no two companies can be greater than 75%. For disclosure rules covering other materials see the back of the cover of the report.*

D = Disclosure

n.c. = Not comparable due to participation changes during 1983

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MONTHLY STATISTICAL REPORT

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NOVEMBER 1983

THERMOPLASTIC RESINS

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE
POLYVINYL CHLORIDE & COPOLYMERS *(Dry Resin Content)*, **TOTAL**	446,081	423,964	+5.2	5,651,564	5,040,570	+12.1	476,464	427,641	+11.4	5,668,885	4,931,935	+14.9
Homopolymer Resins including Blending and Latex	388,915	375,461	+3.6	5,033,106	4,457,634	+12.9	414,576	386,049	+7.4	5,063,567	4,374,526	+15.8
Copolymer Resins including Blending and Latex	23,611	22,488	+5.0	258,256	269,373	-4.1	26,227	13,681	+91.7	253,350	250,277	+1.2
Dispersion Resins	33,555	26,015	+29.0	360,202	313,563	+14.9	35,661	27,911	+27.8	351,968	307,132	+14.6
Total Exports	41,259	40,776	+1.2	482,939	523,385	-7.7						
Total Domestic	404,822	383,188	+5.6	5,168,625	4,517,185	+14.4						
Calendering, Total	46,721	41,621	+12.3	630,391	548,268	+15.0						
Flooring	13,581	11,649	+16.6	143,873	137,950	+4.3						
Textile	6,717	5,418	+24.0	96,565	56,792	+70.0						
All Other Calendering Uses	26,423	24,554	+7.6	389,953	353,526	+10.3						
Coating, Total	30,916	21,768	+42.0	328,055	246,112	+33.3						
Flooring	11,893	9,557	+24.4	134,031	91,558	+46.4						
Textile & Paper Coating	10,229	6,608	+54.8	107,665	79,854	+34.8						
Protective Coatings	3,685	2,669	+38.1	41,307	35,522	+16.3						
Adhesives & All Other Coating Uses	5,109	2,934	+74.1	45,052	39,178	+15.0						
Extrusion, Total	237,036	242,894	-2.4	3,230,160	2,903,299	+11.3						
Wire & Cable	29,230	26,195	+11.6	317,319	300,739	+5.5						
Film & Sheet	22,256	25,046	-11.1	280,052	286,325	-2.2						
Rigid Pipe & Tubing *(Except Fittings)*	144,903	155,450	-6.8	2,114,106	1,879,085	+12.5						
All Other Extrusions	40,647	36,203	+12.3	518,883	437,150	+18.7						
Molding, Total	38,745	34,241	+13.2	390,834	326,888	+19.6						
Bottles	18,113	9,981	+81.5	149,148	94,223	+58.3						
Sound Records	6,420	12,829	-50.0	73,274	99,538	-26.4						
Fittings *(Rigid Pipe & Tubing)*	7,824	7,038	+11.2	96,960	89,313	+8.6						
All Other Molding	6,388	4,393	+45.4	71,452	43,814	+63.1						
Paste Processes *(Except Coating)*	13,554	14,777	-8.3	149,071	159,229	-6.4						
Plastisol Formulation	7,316	8,534	-14.3	87,200	78,077	+11.7						
All Other	6,238	6,243	0.0	61,871	81,152	-23.8						
Resellers & Compounders	20,726	12,215	+69.7	183,503	132,717	+38.3						
All Other Uses	17,124	15,672	+9.3	256,411	200,672	+27.8						

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

THERMOPLASTIC RESINS

NOVEMBER 1983

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE	1983	1982	% CHANGE
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	57,219	43,427	+31.8	636,088R	525,157	+21.1						
Total Exports	374	461	-18.9	5,540R	5,583	-0.8						
Total Domestic	56,845	42,966	+32.3	630,548R	519,574	+21.4						
Emulsion Paints	14,734	12,747	+15.6	196 010R	152,050	+28.9						
Adhesives, Caulks and Sealants	25,000	17,453	+43.2	253,325R	216,115	+17.2						
Paper Treating & Paper Coating	10,318	7,838	+31.6	107,081R	86,710	+23.5						
Textile Treating	2,139	1,041	+105.5	20,744	16,397	+26.5						
Non-Woven Binders	2,538	2,152	+17.9	28,467R	24,139	+17.9						
All Other Uses	2,116	1,735	+22.0	24,921R	24,163	+3.1						
POLYVINYL ALCOHOL, TOTAL #	11,377	D		124,069	D		9,840	D		118,535	D	
Total Exports	1,987	D		21,232	D							
Total Domestic	9,390	D		102,837	D							
OTHER VINYL RESINS*, TOTAL	15,654	12,906	+21.3	161,778	155,596	+4.0	17,708	12,982	+36.4	169,694	165,716	+2.4
Total Exports	3,518	2,508	+40.3	36,699	33,941	+8.1						
Total Domestic	12,136	10,398	+16.7	125,079	121,655	+2.8						
**Include only polyvinyl butyral, polyvinyl formal, and polyvinylidene chloride.*												
THERMOPLASTIC POLYESTER, TOTAL	71,209	49,709	+43.3	715,321	567,380	+26.1	69,796	49,537	+40.9	702,983	589,166	+19.3
Total Exports	5,894	6,218	-5.2	82,566	45,037	+83.3						
Total Domestic	65,315	43,491	+50.2	632,755	522,343	+21.1						
PET Bottle Grades	48,209	35,088	+37.4	466,875	414,311	+12.7						
All Other Thermoplastic Polyester**	17,106	8,403	+103.6	165,880	108,032	+53.5						

** Includes All Other PET and All Injection Molding Grades.

\# = Includes imputed data
R = Revision
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